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March 11, 2005

**VIA FACSIMILE**  
**AND FIRST CLASS MAIL**

Lisa M. Fleming, Esq.  
Bromberg & Sunstein LLP  
125 Summer Street  
Boston, MA 02110-1618

RE: ScanSoft, Inc. v. Voice Signal Technologies, Inc., et. al  
Civil Action No. 04-10353 PBS

Dear Lisa:

I write to inform you that Voice Signal Technologies, Inc. ("VST") has engaged Charles C. Wooters as a permitted expert in accordance with the terms of the Protective Order in place in this litigation. VST intends for Dr. Wooters to assist in the review and evaluation of ScanSoft source code. In accordance with paragraph 10(2) of the Protective Order, VST will identify with particularity the specific Highly Confidential information which it intends for Dr. Wooters to review once ScanSoft produces its source code.

I have attached a copy of Dr. Wooters' C.V.

Sincerely,



Paul D. Popeo

PDP/slw:3876576

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CURRICULUM VITAE  
Charles C. Wooters

Education:

Ph.D., Speech Recognition  
Univ. of California Berkeley, Nov. 1993  
MA, Linguistics  
Univ. of California Berkeley, May 1988  
BA, Linguistics  
Univ. of California Berkeley, May 1986

Appointments:

Aug. 2000-Present	Senior Research Engineer International Computer Science Institute Berkeley, CA
Jul. 1999-Aug. 2000	Senior Scientist, Speech and Natural Languages GTE/BBN Technologies Columbia, MD
Apr. 1997-Jul. 1999	Senior Computer Scientist, Speech Research Division U.S. Department of Defense Ft. Meade, MD
Apr. 1995-Mar. 1997	Senior Member of Technical Staff Software Development Team Computer Motion, Inc. Goleta, CA
Dec. 1993-Mar. 1995	Senior Computer Scientist, Speech Research Division U.S. Department of Defense Ft. Meade, MD
Apr. 1993-Feb. 1994	Consultant Octel Communication Corporation Milpitas, CA
July 1988-Nov. 1993	Research Assistant International Computer Science Institute Berkeley, CA
Aug 1988-Jan. 1989	Visiting Lecturer National Tsing Hua University Hsin Chu, Taiwan, ROC
Spring 1987	Research Assistant Cognitive Studies Institute University of California Berkeley
June 1987-Aug. 1987	Research Assistant Center for Robotic Systems in Microelectronics Goleta, CA
1986-1989	Teaching Assistant, Dept. of Linguistics University of California Berkeley Berkeley, CA

Memberships:

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IEEE member since 1991

**Computer Skills:**

C, C++, Java, Python, Perl, MySQL, Sybase, Tcl/Tk, and Matlab.

**Patents:**

H. Garudadri, S. Sivadas, H. Hermansky, N. Morgan, C. Wooters, A. Adami, C. Benitez, L. Burkas, S. Dupont, F. Grezl, P. Jain, S. Kajarekar, P. Motlicek. "Distributed Voice Recognition System Utilizing Multistream Network Feature Processing." Filed April 2002.

Y. Wang, D. Uecker, S. Jordan, and C. Wooters. Filed 1996. "General Purpose Distributed Operating Room Control System". Patent Pending.

**Publications:**

H. Shu, C. Wooters, O. Kimball, T. Colthurst, F. Richardson, S. Matsoukas, and H. Gish, 2000. "The BBN BYBLOS 2000 Conversational Mandarin LVCSR System", in NIST Speech Transcription Workshop.

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W. Byrne, M. Finke, S. Khudanpur, A. Ljolje, J. McDonough, H. Nock, M. Riley, M. Saraclar, C. Wooters, and G. Zavaliagkos, 1998. "Pronunciation Modeling Using a Hand-labelled Corpus for Conversational Speech Recognition", in Proceedings International Conference on Acoustics, Speech, and Signal Processing (ICASSP).

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J. M. Sackier, M.D., C. Wooters, L. Jacobs, M.D., A. Halverson, M.D., D. Uecker, Y. Wang. 1997. "Voice Activation of a Surgical Robotic Assistant". The American Journal of Surgery.

C. Wooters. 1995. "Duration Measurements for American English Phonemes" In "Interdisciplinary Studies on Language and Language Change: In Honor Professor William S-Y. Wang" Edited by Matthew Y. Chen and Ovid J.L. Tzeng. Pyramid Press.

D. Jurafsky, C. Wooters, J. Segal, A. Stolcke, E. Fosler, G. Tajchman, and N. Morgan. 1995. "Using a Stochastic Context-Free Grammar as a Language Model for Speech Recognition" In Proceedings 1995 International Conference on Acoustics Speech and Signal Processing (ICASSP-95).

C. Wooters and A. Stolcke. 1994. "Multiple-Pronunciation Lexical Modeling in a Speaker Independent Speech Understanding System." In Proceedings of the 1994 International Conference on Spoken Language Processing (ICSLP). Yokohama, Japan.

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and N. Morgan. 1994. "The Berkeley Restaurant Project" In Proceedings of the 1994 International Conference on Spoken Language Processing (ICSLP). Yokohama, Japan.

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C. Wooters. 1993. "Lexical Modeling in a Speaker Independent Speech Understanding System", Berkeley, CA: University of California dissertation.

C. Wooters, D. Jurafsky, G. Tajchman, and N. Morgan, "The Berkeley Restaurant Project", pp. 119-128, Speech Research Symposium XIII, Johns Hopkins, 1993.

T. Robinson, L. Almeida, J. Boite, H. Bourlard, F. Fallside, M. Hochberg, D. Kershaw, P. Kohn, Y. Konig, N. Morgan, J. Neto, S. Renals, M. Saerens and C. Wooters, "A Neural Network Based, Speaker Independent, Large Vocabulary, Continuous Speech Recognition System: The WERNICKE Project". In Proceedings 1993 EUROSPEECH.

Y. Konig, N. Morgan, C. Wooters, V. Abrash, M. Cohen and H. Franco. 1993. "Modeling Consistency in a Speaker Independent Continuous Speech Recognition System", in Hanson J.S., Cowan J.D., and Giles C.L., editors, Advances in Neural Information Processing Systems 5, San Mateo, CA, Morgan Kaufman.

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C. Wooters and N. Morgan. 1992. "Connectionist-Based Acoustic Word Models" in Proceedings IEEE Workshop on Neural Networks for Signal Processing, Copenhagen, Denmark.

H. Bourlard, N. Morgan, C. Wooters, and S. Renals. 1992. "CDNN: A Context Dependent Neural Network for Continuous Speech Recognition", in Proceedings IEEE Intl. Conference on Acoustics, Speech, and Signal Processing, San Francisco, California, March 1992.

S. Renals, N. Morgan, H. Bourlard, M. Cohen, H. Franco, C. Wooters and P. Cohen. 1991. "Connectionist Speech Recognition: Status and Prospects", ICSI Tech Report TR-91-070. December 1991.

N. Morgan, C. Wooters, and H. Hermansky. 1991. "Experiments With Temporal Resolution For Continuous Speech Recognition with Multi-Layer Perceptrons", in Proceedings IEEE Workshop on Neural Networks for Signal Processing, B.H. Juang, S.Y. Kung, Candace A. Kamn (eds.) 1991.

H. Bourlard, N. Morgan, and C. Wooters. 1991. "Connectionist Approaches to the Use of Markov Models for Speech Recognition", in Advances in Neural Information Processing Systems 3, D.S. Touretzky and R. Lippman (eds.), San Mateo, CA: Morgan Kaufman, 1991.

N. Morgan, H. Hermansky, H. Bourlard, P. Kohn and C. Wooters. 1991. "Phonetically-based Speaker Independent Continuous Speech Recognition Using PLP Analysis with Multilayer Perceptrons", in Proceedings IEEE Intl. Conference on Acoustics, Speech, Signal Processing, Toronto, Canada, 1991

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N. Morgan, H. Bourlard, C. Wooters, P. Kohn, and M. Cohen, "Phonetic Context in Hybrid HMM/MLP Continuous Speech Recognition", Proceedings of Eurospeech 1991, pp. 109-112, Genova, Italy

N. Morgan, C. Wooters, H. Bourlard and M. Cohen. 1990. "Continuous Speech Recognition on the Resource Management Database Using Connectionist Probability Estimation", in Proceedings 1990 International Conference on Spoken Language Processing, Kobe, Japan, 1990.

N. Morgan, H. Hermansky, and C. Wooters. 1990. "SPOONS '90: The speech recognition front end workshop". ICSI Tech Report TR-90-045. Sept. 1990.

C. Wooters and N. Morgan 1990. "Speech Segmentation and Labeling on the NeXT Machine", ICSI Tech Report TR-90-002, January 1990.

Z.W. Shen, C. Wooters and W. S-Y Wang. 1987. "Closure Duration in the Classification of Stops: A Statistical Analysis", In: A Tribute to Ilse Lehiste, Michigan University.

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## Fax Transmittal Sheet

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FROM	Paul D. Popeo	NUMBER OF PAGES	6
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PHONE	(617) 248-4074	OPERATOR	Sarah Wilson
		TIME SENT	5:05 p.m.

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